

Abstract

In accordance with the invention, a method for visualising a spatially resolved data set (D) using an illumination model (BM) is proposed, with a datum ( $D(\alpha, \beta, \gamma)$ ) of the data set (D) being associated in each case with a volume element (V) whose position is described by coordinates ( $\alpha, \beta, \gamma$ ) in a measurement coordinate system ( $K_m$ ). The data ( $D(\alpha, \beta, \gamma)$ ) are loaded as at least one texture ( $T\alpha_i, T\beta_j, T\gamma_k$ ) into graphics hardware (4) in order to generate a pictorial representation (5) in a projection space. The illumination model (BM) is evaluated in the measurement coordinate system ( $K_M$ ).